

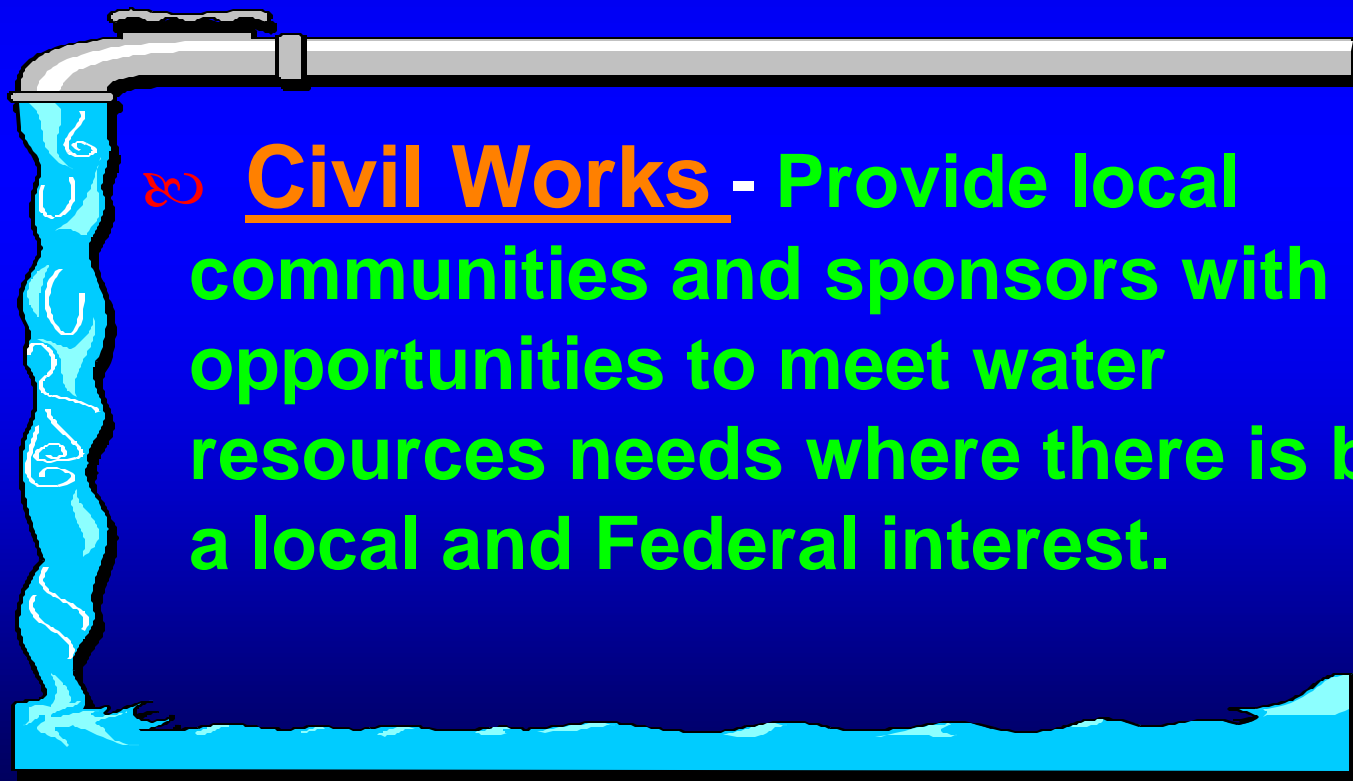


Civil Works Overview & Project Delivery Process

U.S. Army Corps of Engineers

OUR PRIMARY MISSIONS:

∞ Military - Provide engineering services to the Army and DOD.



∞ Civil Works - Provide local communities and sponsors with opportunities to meet water resources needs where there is both a local and Federal interest.

PLANNING PROGRAMS:

⌘ GENERAL INVESTIGATIONS

- ⌘ **Specifically authorized (“named”) studies**
- ⌘ **Section 22 WRDA 1974 - Planning Assistance to States**
- ⌘ **Section 206 Flood Control Act of 1960 - Flood Plain Management Services**
- ⌘ **Section 216 Flood Control Act of 1970 - Review of Completed Projects**

GENERAL INVESTIGATIONS:

∞ Review of Completed Projects

∞ Section 216 Flood Control Act 1970

- ③ Program to review the operation of completed Federal projects and to recommend modifications...
 - "when found advisable due to significantly changed conditions
 - "for improving the quality of the environment in the public interest".
- ③ Initial Appraisal Completed using O&M
- ③ funds.
- ③ Follow-on GI funding if warranted.

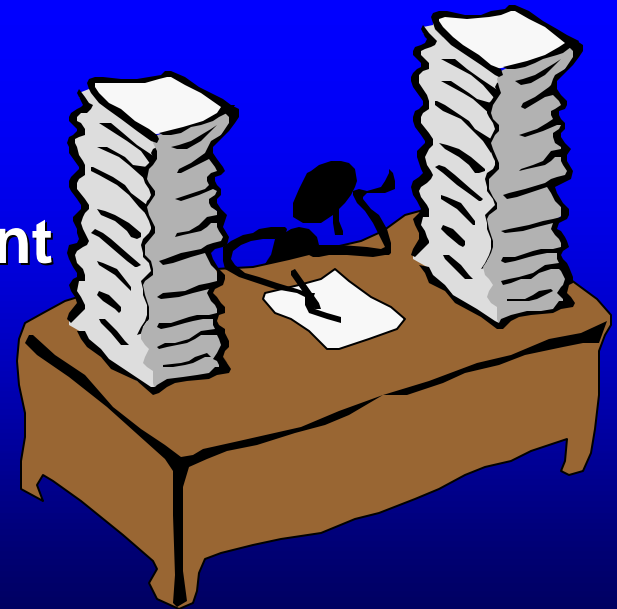
GENERAL INVESTIGATIONS:

⌘ Specifically Authorized (or Named") Studies:

- ⌘ Generally for larger, complex projects
 - 100% Federally funded reconnaissance phase
 - 50/50 cost shared feasibility phase
 - 75/25 cost shared preconstruction engineering & design phase
 - Cost shared construction

PURPOSES OF RECONNAISSANCE STUDY:

1. Define water resources problems and identify potential solutions
2. Decide whether there is a Federal interest in continuing into feasibility studies
3. Identify a local sponsor
4. Prepare a Project Management Plan (PMP)



Guidance: What it says!

- **Most effort should be devoted to preparation of PMP.**
- **Goal is to execute FCSA within 12 months.**
- **Generally, \$100,000 in cost!**
- **Recon recommendation shall be based on professional and technical judgement.**
- **No detailed tasks.**
- **A Section 905(b) Analysis is prepared.**

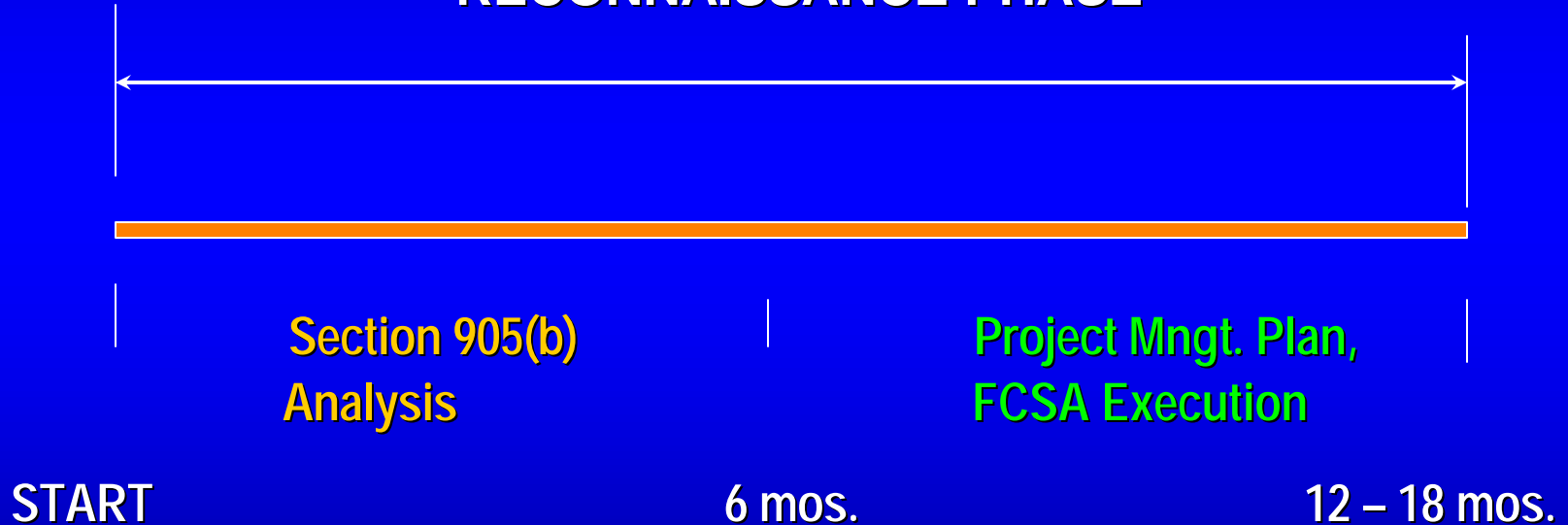
Section 905(b) Analysis

- Study Authority and Purpose
- Prior Studies & Reports/Existing Water Projects
- Federal Interest
- Preliminary Financial Analysis
- Summary of Feasibility Assumptions
- Feasibility Milestones
- Feasibility Costs
- Recommendations
- Potential Issues Affecting Feasibility Phase
- Views of Other Agencies



Recon Timeline

RECONNAISSANCE PHASE



Feasibility Study Purposes:

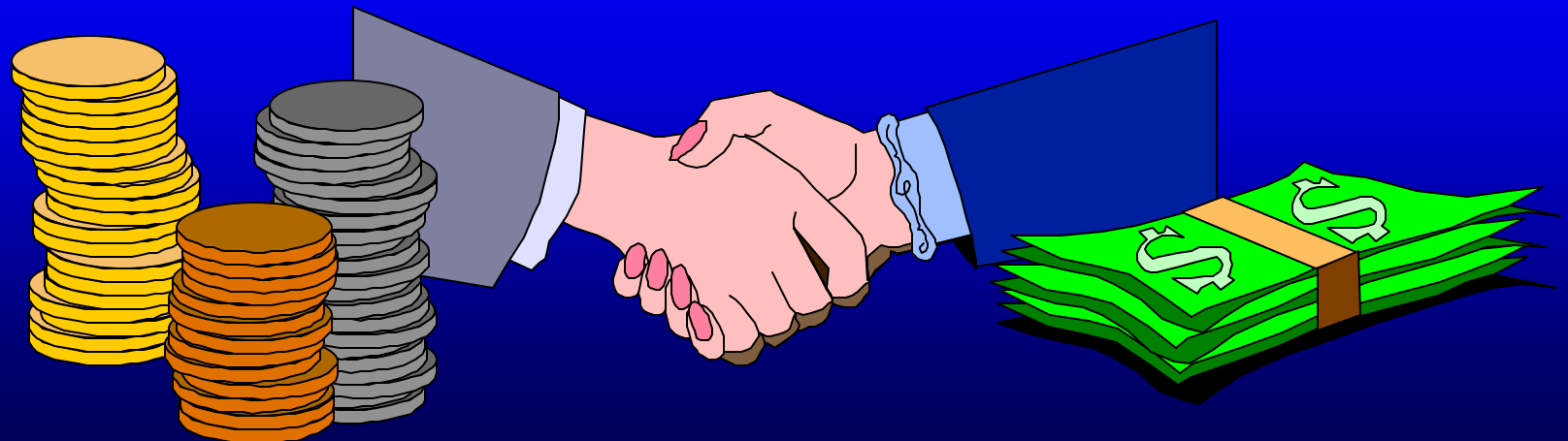
- Describe and evaluate alternative plans
- Describe in detail the recommended plan
- Develop a fully-funded baseline cost of the project
- Prepare a feasibility report

Feasibility Report Purposes:

- Serves as a Decision Document to convince the Office of Management and Budget (OMB) of project viability
- Serves as an Authorization Document and is submitted to Congress for project authorization

Feasibility Phase - Cost Sharing:

- Feasibility phase is cost shared equally between the Federal (Corps) and the non-Federal sponsor(s)



Planning Process

Principles and Guidelines

Six Steps in Planning Process:

- ❧ Step 1 - Problems and Opportunities
- ❧ Step 2 - Inventory and Forecast Resources
- ❧ Step 3 - Formulating Alternative Plans
- ❧ Step 4 - Evaluation of Alternative Plans
- ❧ Step 5 - Comparison of Alternative Plans
- ❧ Step 6 - Select Recommended Plan

Project Planning



Typical GI Project Timeline

